**pAphVII (pPH360)**

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*Streptomyces rimosus* aminoglycoside phosphotransferase *aphVII* selection marker optimized to *C. reinhardtii* codon bias, controlled by the HSP70A/RBCS2 tandem promoter and RBCS2 3’ UTR.

Selection in *C. reinhardtii*: Hygromycin B (10-40 μg/ml)

Selection in *E. coli*: Ampicillin (100 µg/ml)

Host strain: XL1-Blue

Sequence map (GenBank): <http://chlamy.de/plasmids/pPH360/>

**Reference**

Greiner, A., Kelterborn, S., Evers, H., Kreimer, G., Sizova, I., and Hegemann, P.Targeting of photoreceptor genes via zinc-finger nucleases and CRISPR/Cas9 in *Chlamydomonas reinhardtii.* Plant Cell 30 (2017). <https://doi.org/10.1105/tpc.17.00659>

**Overview of all CRISPR/Cas9 plasmids from the Hegemann lab**

[www.chlamy.de/plasmids](https://www.chlamycollection.org/hegemann_lab)

Visit [www.chlamy.de](http://www.chlamy.de) for more info or contact CRISPR@chlamy.de